Converting Colors

RYB(31, 107, 202)

Have a look what the booklet for RYB(31, 107, 202) contains.

Color

RYB(31, 107, 202)

Conversions

Conversions Part 1

Format	Color
Hex	1FA8CA
RGB	31, 168, 202
RGB Percent	12%, 66%, 79%
CMY	0.8784, 0.3420, 0.2078
CMYK	0.85, 0.17, 0.00, 0.21
HSL	192°, 73%, 46%
HSV	192°, 85%, 79%
XYZ	25.1915, 32.4870, 60.8200
YIQ	130.9130, -92.5660, -18.4700

Conversions

Conversions Part 2

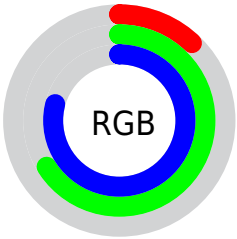
Format	Color
RYB	31, 107, 202
Decimal	2074826
CIELab	63.74, -22.55, -27.22
CIELCh	64, 35.348, 230.368
Yxy	32.4870, 0.2126, 0.2742
Android (android.graphics.Color)	4280264906 (0xFF1FA8CA)
YUV	130.9130, 35.0459, -87.6237
Hunter-Lab	56.9974, -20.8528, -23.3682

Details

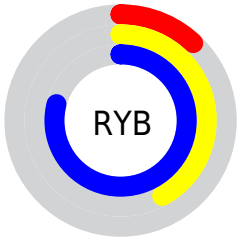
The RYB color 31, 107, 202 is a dark color, and the websafe version is hex 0099CC. The color can be described as dark washed azure. A complement of this color would be 202, 73, 31, and the grayscale version is 131, 131, 131.

A 20% lighter version of the original color is 109, 173, 255, and 0, 65, 148 is the 20% darker color. If you saturate the color by 10%, you get 11, 96, 202, and if you desaturate by 10%, it is 51, 118, 202.

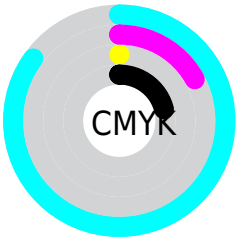
Distribution



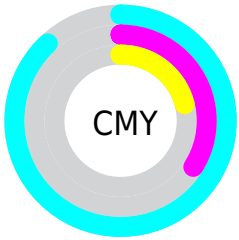
- Red (12%)
- Green (66%)
- Blue (79%)



- Red (12%)
- Yellow (42%)
- Blue (79%)



- Cyan (85%)
- Magenta (17%)
- Yellow (0%)
- Black (21%)



- Cyan (88%)
- Magenta (34%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 31, 107, 202 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 31, 107, 202 by changing the saturation by 10% instead.

31, 107, 202	31, 107, 202
255, 255, 255	0, 78, 175
109, 173, 255	0, 65, 148
140, 197, 255	0, 52, 122
171, 213, 255	0, 40, 97
201, 228, 255	0, 27, 73
232, 244, 255	0, 16, 50
	0, 2, 29
	0, 0, 0

31, 107, 202	31, 107, 202

11, 96, 202

0, 90, 202

51, 118, 202

71, 129, 202

92, 141, 202

112, 152, 202

132, 163, 202

152, 174, 202

172, 185, 202

193, 197, 202

213, 204, 202

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

27, 100, 175

31, 107, 202

90, 135, 216

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

31, 107, 202

209, 131, 166

94, 159, 100

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

31, 107, 202

202, 73, 31

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

148, 184, 92

31, 107, 202

216, 131, 134

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

31, 107, 202

184, 139, 195

206, 152, 107

113, 167, 163

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

31, 107, 202

127, 148, 216

206, 152, 107

101, 164, 92

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

31, 107, 202

191, 219, 255

31, 174, 202

89, 106, 128

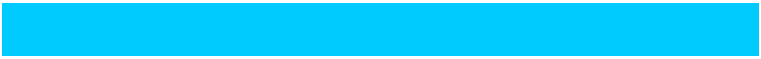
0, 0, 0

128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

31, 107, 202



0, 113, 255

31, 70, 202

92, 96, 102

0, 74, 166

0, 17, 38

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

202, 31, 168

255, 0, 204

104, 202, 31

102, 92, 100

166, 0, 133

38, 0, 31

Previews

White Background

This preview shows how the RYB color 31, 107, 202 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background

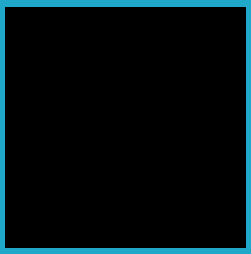
This preview shows how the RYB color 31, 107, 202 looks on a black background.

Color Contrast Check

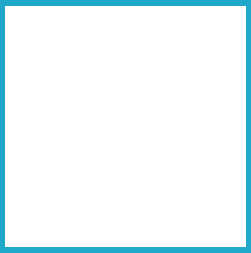
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 31, 107, 202 Background



This preview shows how black text looks on a background with the RYB color 31, 107, 202.



This preview shows how white text looks on a background with the RYB color 31, 107, 202.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

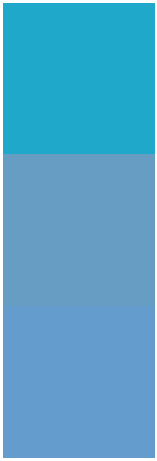
Dichromacy

Original Color
31, 107, 202

Protanopia
144, 151, 190

Deuteranopia
139, 149, 206

Trichromacy



Original Color
31, 107, 202

Protanomaly
103, 137, 194

Deuteranomaly
100, 137, 205

Monochromacy

Original Color
31, 107, 202

Achromatopsia
131, 131, 131

Achromatomaly
95, 122, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 31, 107, 202 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(31, 168, 202) looks like.

```
.text, #text, p{
    color:rgb(31, 168, 202)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(31, 168, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 168, 202) }
```

Border

The CSS property to change the border of an element to RYB 31, 107, 202 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(31, 168, 202) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(31, 168, 202) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(31, 168, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(31, 168, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(31, 168, 202); box-shadow:4px 4px 4px 4px rgb(31, 168, 202) }
```

Background

The CSS property to change the background color of an element to RYB 31, 107, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(31, 168, 202) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(31, 168,
202) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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